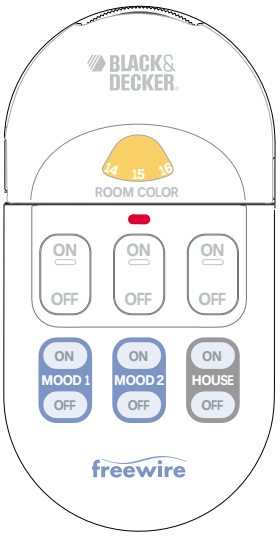
621538-00 FW3000 MANUAL 1/5/04 11:02 AM Page 1

BLACK&DECKER®

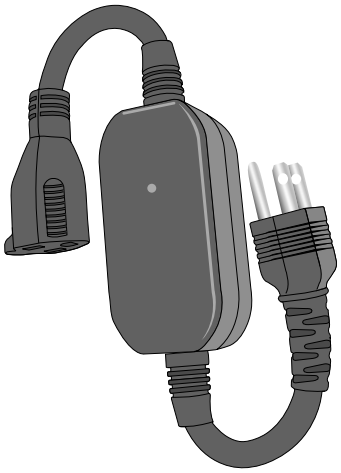
freewire™ Home Automation Starter Kit

INSTRUCTION MANUAL

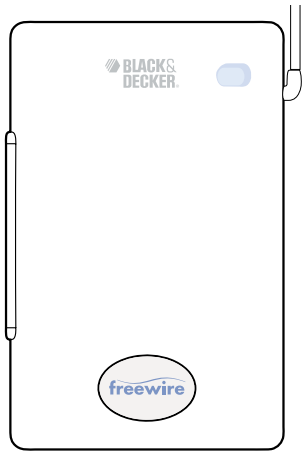
Cat. No. FW3000



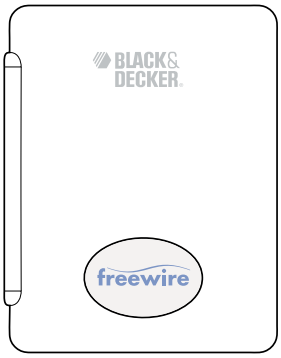
Indoor Remote Catalog # FWIR



Outdoor Lamp Receiver Catalog # FWLROD



Messenger Hub Catalog # FWMH



Lamp Receiver Catalog # FWLR

⚠GENERAL SAFETY RULES

⚠**WARNING: Read and understand all instructions.** Failure to follow all instructions listed below may result in electric shock, fire, property damage and/or serious personal injury.

SAVE THESE INSTRUCTIONS

⚠**WARNING: Do not use any FREEWIRE product to control any device where unexpected or unattended turn on/off could cause serious personal injury and/or property damage.** Interference, interruptions, or surges in the electrical system, or malfunction may cause unexpected turn on/off of plugged in devices.

⚠**WARNING: Do not use any FREEWIRE product to control any device where failure to operate could cause serious personal injury and/or property damage.** Interference, interruptions or surges in the electrical system, or malfunction may cause plugged in devices to fail to operate as expected.

⚠**WARNING: Do not use any FREEWIRE product to control any medical device.** Using any FREEWIRE product to control any type of medical device could result in serious personal injury.

⚠**WARNING: Do not use any FREEWIRE product to control any device that exceeds the rating for that FREEWIRE product.** Using a FREEWIRE product to control a device that exceeds the rating for that product could result in serious personal injury and/or property damage. The ratings for FREEWIRE products are as follows:

- BULB RECEIVER - 150 watts - incandescent bulbs only.
- LAMP RECEIVER - 300 watts - lamps with incandescent bulbs only.
- MESSENGER HUB - 500 watts - lamps with incandescent bulbs only.
- OUTDOOR LAMP RECEIVER - 500 watts - lamps with incandescent, fluorescent, halogen or low voltage bulbs only.
- APPLIANCE RECEIVER - 15 amp resistive load small appliances, 1/3HP motor load, 500 watts lamps with incandescent, fluorescent or halogen bulbs only, 400 watts for television.

If the FREEWIRE product you intend to use is not listed here, consult the instruction manual for that FREEWIRE product or call 1-800-544-6986 to determine the applicable rating before plugging in or using that FREEWIRE product.

⚠**WARNING: To reduce the risk of electric shock or fire, do not expose any FREEWIRE product to rain or moisture.** If a FREEWIRE product is exposed to rain or moisture, immediately disconnect the FREEWIRE product from the AC outlet to reduce the risk of electric shock or fire and consult authorized service personnel. **NOTE:** Outdoor Lamp Receiver may be used outdoors. Bulb Receiver may also be used outdoors if mounted in correct orientation.

⚠**WARNING: To reduce the risk of electric shock, do not disassemble any FREEWIRE product.** No user-serviceable parts are inside.

⚠**WARNING: To reduce the risk of electric shock, do not use any type of plug adaptor with this product.**

⚠**WARNING: Do not use a Bulb Receiver, Lamp Receiver, Messenger Hub or Outdoor Lamp Receiver to control an appliance.** Using a Bulb Receiver, Lamp Receiver, Messenger Hub or Outdoor Lamp Receiver to control an appliance could damage the appliance or the receiver, which could result in serious personal injury and/or property damage.

⚠**WARNING: Do not use a Bulb Receiver or Lamp Receiver to control a lamp or fixture that already has a dimmer on it.** Using a Bulb Receiver or Lamp Receiver to control a lamp or fixture that already has a dimmer on it could damage the lamp, fixture or receiver, which could result in serious personal injury and/or property damage.

⚠**WARNING: Use only incandescent bulbs in lamps that are to be controlled by the Lamp Receivers.** Using any other type bulbs could damage bulbs and/or Lamp Receivers.

⚠**WARNING: Use only incandescent bulbs in Bulb Receivers.** Using any other type bulbs could damage bulbs and/or Bulb Receivers.

⚠**WARNING: Do not use any intercom or monitoring system, including a baby monitor, that uses the house wiring to transmit signals in permanent transmit (or talk) mode when using FREEWIRE products.** Transmissions from an intercom or monitoring system that uses the house wiring to transmit signals could interfere or block out FREEWIRE transmissions in permanent transmit (or talk) mode. It is also possible that a neighbor's intercom or monitoring system could cause unexpected operation, including failure to operate, of your FREEWIRE system, or that your FREEWIRE SYSTEM could cause unexpected operation, including failure to operate, of your neighbors intercom or monitoring system.

⚠**WARNING: If unintended operation of any FREEWIRE product is observed, unplug all FREEWIRE products immediately until (1) the source of the interference is identified and eliminated through selection of a different HOUSE CODE to ensure that neither system causes unintended operation of the other system or (2) a blocking filter, Black and Decker Model number PZZ01, is installed. Call 1-888-678-7278 to order. Professional installation recommended.** If you cannot identify the source of interference by talking with neighbors who are using a FREEWIRE or compatible system and you do not want to install a blocking filter, or if you have any questions about identifying or eliminating interference, please call 1-800-544-6986 before plugging in or using any FREEWIRE product.

Remember to exercise good common sense when using your FREEWIRE system - especially when attaching unattended appliances or devices to the system. There can be unexpected consequences if FREEWIRE products are not used with care. For example, an empty coffee pot can be remotely turned on due to unintended operation or interference from a neighbor's FREEWIRE or compatible system. If that should happen, your coffee pot could be damaged from overheating, which in turn could cause a fire or create a risk of electrical shock. As another example, if an electric heater is turned on unexpectedly while clothing is draped over it, a fire could result. Accordingly, **DO NOT USE** the FREEWIRE system for the control of medical devices, heating appliances, such as portable heaters, or any other appliance or device that could cause physical injury or property damage if turned on or off while unattended. Similarly, **DO NOT USE** the FREEWIRE system for the control of any appliance or device that could cause physical injury or property damage if it fails to operate as expected. Interference, interruptions or surges in the electrical system, or malfunction may cause plugged in appliances or devices to fail to operate as expected. For example, if a pipe heater controlled by a FREEWIRE system fails to operate as expected, the pipes could freeze and rupture. For these reasons, it is important to read, understand and follow all instructions in this manual, and to consider carefully the potential consequences of unattended or unexpected operation, or failure to operate, of an appliance or device before you attach it to a FREEWIRE system.

⚠GENERAL SAFETY RULES (CONTINUED)

FCC CAUTION
THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.

OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.
This equipment generates and uses radio frequency energy, and if not installed and used properly, that is, in strict accordance with the manufacturers instructions, it may cause interference to radio and television reception. It has been type tested and found to comply with the limits for remote control devices in accordance with the specifications in Sub Parts B and C of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause interference to radio or television reception, which can be determined by unplugging the equipment, try to correct the interference by one or more of the following measures.

- **Reorient the antenna of the radio/TV experiencing the interference.**
- **Relocate the interference with respect to the radio/TV.**
- **Move the interference away from the radio/TV.**
- **Plug the interface into an outlet on a different electrical circuit from the radio/TV experiencing the interference.**
- **If necessary, consult your local Dealer for additional suggestions**

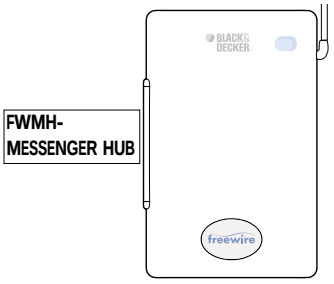
NOTE: Modifications to any of the components in this kit will void the user's authority to operate this equipment.

Getting familiar with your freewire™ home automation kit.

The MESSENGER HUB is the brain of the Freewire™ system. When it is plugged into an AC outlet it has the ability to receive Radio Frequency (RF) signals from the remotes and the ability to send messages through existing house wiring to all receivers that are dialed to the same house code.

It is also used to control incandescent lamps only, rated up to 500 watts, connected to the plug receptacle at the bottom of the MESSENGER HUB.

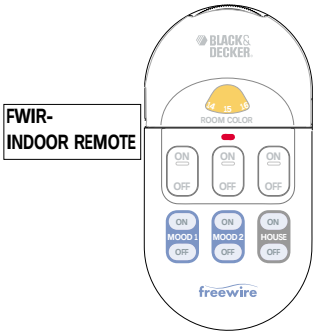
Note: For additional restrictions and instructions see MESSENGER HUB section.



The INDOOR REMOTE sends Radio Frequency (RF) signals to the MESSENGER HUB. These signals can go through walls, so you can use this remote to control lights (or appliances with approved appliance receiver only) from anywhere in or around your home.

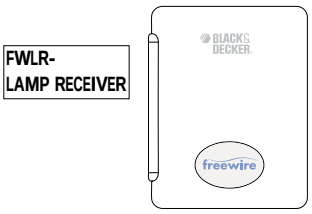
Note: Walls and other obstructions may reduce the effective range of the RF signal.

Note: For instructions see INDOOR REMOTE section.



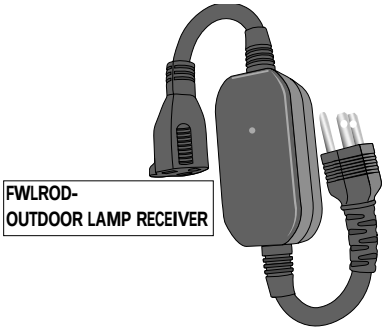
A LAMP RECEIVER must be used in conjunction with at least one active MESSENGER HUB. It is used to control incandescent lamps only rated up to 300 watts.

Note: For additional restrictions and instructions see LAMP RECEIVER section.



An OUTDOOR LAMP RECEIVER must be used in conjunction with at least one active MESSENGER HUB. It is used to control indoor or outdoor incandescent, fluorescent, halogen and low voltage lights rated up to 500 watts.

Note: For additional restrictions and instructions see OUTDOOR LAMP RECEIVER section.



DEFINITIONS OF TERMS USED IN THIS MANUAL

What is the UNIT CODE?
The unit code allows you to assign a number (1 - 16) to any Freewire unit in your home system. For example, if you assign the unit code number 5 to a Lamp Receiver, the lamp will turn on and off when you activate the number 5 on your Freewire remote control. If you want a multiple of Lamp Receivers to respond to a single number on your remote, there is no problem with setting them all to the same unit code number.

What is the HOUSE CODE?
The house code prevents interference with other Freewire systems that may be in your neighborhood. When you set your house code to a letter (A - P) you are choosing a distinct communication language between all parts of your Freewire system. It is essential that all units in your Freewire system are set to the same house code letter for it to operate correctly.

What is the Remote Control SYNCHRONIZATION?
When you first install your Freewire units it is essential that your match up the wireless Remote Controls (Indoor Remote and Keychain Remote) with the plugged in Receiver Hub. This will synchronize their wireless communication in a distinct way that prevents interference with other Freewire systems that may be in your neighborhood.

Why are there COLOR SEGMENTS on the unit code wheels?
The six colors (or zones) help you to allocate unit codes to various parts of your house. For example, if you wanted to control three plug in lamps in your living room you might allocate them the unit code numbers 5, 6 and 7 which are part of the green segment (green zone). Green becomes a quick reference to controlling those lamps from your remote control.

What are GROUPS?
Groups are shortcut buttons to operating any combination of up to four receiver unit codes. For example, you may wish to create a 'welcome home' group control. If you had your entrance light(s) set to 1, your hall lamp set to 5, your living room lamp set to 8 and your kitchen light set to 11 they could all be turned on/off by a single group key. It is essential to first program the group with the Messenger Hub and Indoor Remote before you can use this function.

What does the HOUSE button do?
When you press HOUSE ON all the Lamp Receivers and the Messenger Hub in your Freewire system will turn on (for safety reasons, it will not turn on appliance receivers). When you press HOUSE OFF any unit in your Freewire system will turn off (both lamp and appliance receivers) - this is fast way to turn off all your Freewire units.

PLEASE FOLLOW THE SEQUENCE LAID OUT IN THIS MANUAL TO AVOID CONFUSION

Step by step instructions to set up the MESSENGER HUB:

A Quick Note Before You Set Up The MESSENGER HUB:

⚠***WARNING: For indoor use only.*** *If a FREEWIRE product is exposed to rain or moisture, immediately disconnect the FREEWIRE product from the AC outlet to reduce the risk of electric shock or fire and consult authorized service personnel.*

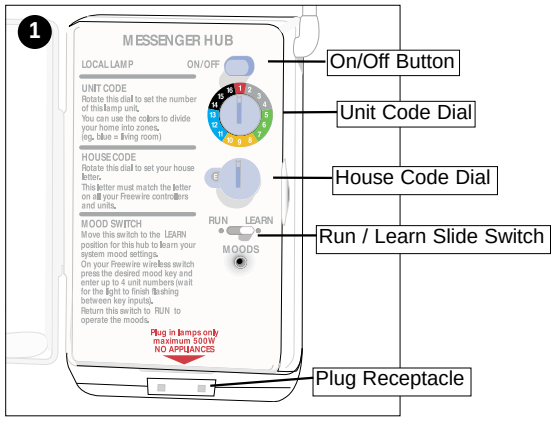
⚠***WARNING: Use only incandescent bulbs (up to 500 watts total) in lamps that are to be controlled by the Messenger Hub.***

Each receiver has a specific address made up of a HOUSE CODE (bottom dial) and a UNIT CODE (upper dial) which is used to communicate with the MESSENGER HUB.

The function of the HOUSE CODE is to prevent interference from another FREEWIRE or other compatible system. If you experience interference with another system at any time, which may result in unexpected turn on/off of devices plugged into either system, unplug all FREEWIRE devices immediately until (1) the source of the interference is identified and eliminated through selection of a different HOUSE CODE to ensure that neither system causes unintended operation of the other system or (2) a blocking filter, Black and Decker Model number PZZ01, is installed. Call 1-888-678-7278 to order. Professional installation recommended. If you cannot identify the source of interference by talking with neighbors who are using a FREEWIRE or compatible system and you do not want to install a blocking filter, or if you have any questions about identifying or eliminating interference, please call 1-800-544-6986 before plugging in or using any FREEWIRE device.

Step 1:

Plug the MESSENGER HUB into any operational AC outlet within your home. Rotate antenna to the upright position. Open the front door to expose the control panel as shown in **Figure 1**. **NOTE: Placing the MESSENGER HUB on the inside wall closest to driveway or entry way, will often maximize range of the KEY CHAIN REMOTE.**



Step 2:

Select a HOUSE CODE on the MESSENGER HUB, any **letter** A - P. (**Note:** The house code you select for the MESSENGER HUB will dictate what letter you will select for all of the RECEIVERS you plan to control with this MESSENGER HUB.)

Step 3:

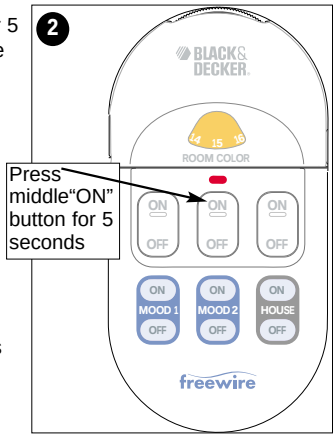
Select a UNIT CODE on the MESSENGER HUB, any **number** 1 - 16. The number and corresponding color you pick will control the lamp outlet located on the underside of this MESSENGER HUB. (If you select the same number and same house code for any additional receivers on this system they will operate in conjunction with this hub.)

Step 4:

Synchronize your INDOOR REMOTE with your MESSENGER HUB so they understand how to communicate with each other. (**Note:** Any additional remote that is introduced to the system must also be synchronized.)

To synchronize, move the MESSENGER HUB slide switch to LEARN.

While facing the MESSENGER HUB, press and hold the **middle "ON"** button of the INDOOR REMOTE for 5 seconds - **Figure 2.** Be sure to see the green light flash on the MESSENGER HUB. The flash will indicate that the MESSENGER HUB is now synchronized with the INDOOR REMOTE.



Now, move the slide switch on the MESSENGER HUB to RUN.

(**Note:** Door cannot be closed while MESSENGER HUB is in the LEARN mode.)

Step 5:

Turn lamp on first, then plug into the receptacle on the underside of the MESSENGER HUB. Use only incandescent bulbs up to 500W. Be sure the lamp has been turned on prior to plugging into MESSENGER HUB.

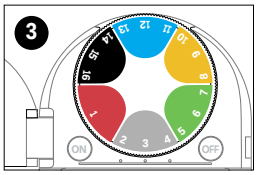
Press the Local Lamp "ON/OFF" button on the MESSENGER HUB to check that the MESSENGER HUB is operating correctly. You will hear a "click" when the MESSENGER HUB turns this lamp on and off.

You are now ready to operate the lamp connected to this MESSENGER HUB with the INDOOR REMOTE.

Step by step instruction to operate the INDOOR REMOTE:

A Quick Note before You Set Up the INDOOR REMOTE:
⚠WARNING: For indoor use only. *If the INDOOR REMOTE is exposed to rain or moisture, consult authorized service personnel.*

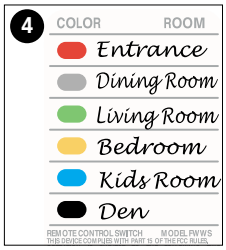
Open door to the INDOOR REMOTE to expose the colored dial shown in ***Figure 3.***



The numbers and colors on the INDOOR REMOTE's dial match the numbers and colors on the MESSENGER HUB and LAMP RECEIVERS.
The colors on the dial for the Unit Code can be used to divide your home into zones with up to 3 dedicated Unit Codes per color (except red which only has one Unit Code.) (eg. Green = Living Room)

The numbers are used to differentiate one receiver from another in each color/zone.

Reference Label Set Up
For your convenience, a blank reference label is located on the back of your INDOOR REMOTE. Write your own customized applications on this blank key. ***Figure 4****:*



Example: ***Red Unit Codes*** *have been selected for the BULB RECEIVER in the* ***Entrance***
Gray Unit Codes *have been selected for the RECEIVERS in the* ***Dining Room***
Green Unit Codes *have been selected for the RECEIVER in the* ***Living Room*** *etc.*

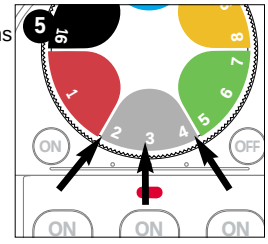
NOTE: The top button on the KEY CHAIN REMOTE will only activate UNIT CODE 1(RED). We recommend that you control the lighting near your entrance way by UNIT CODE 1(Red) so that it can be activated by your KEY CHAIN REMOTE. See KEY CHAIN REMOTE instructions on page 11 for further instructions.

Step 1:

Set the dial on your INDOOR REMOTE to the same UNIT CODE (color) that you selected on the MESSENGER HUB in the previous section.

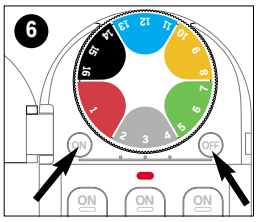
Step 2:

Each of the 3 individual codes on that color can be turned on and off individually, using the 3 white ON/OFF buttons located just below the dial as shown in **Figure 5**.



Example: Gray 2 - Controlled by the top row, left switch
Gray 3 - Controlled by the top row, center switch
Gray 4 - Controlled by the top row, right switch.

The small round ON button and OFF button shown in **Figure 6** allow you to turn on or off all RECEIVERS set to that color.

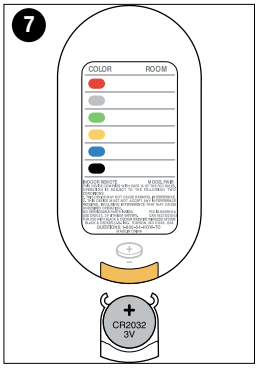


You should now be able to turn the lamp on and off with the corresponding button on the INDOOR REMOTE.

Note: You may have to press and momentarily hold the button before it activates.

INDOOR REMOTE Battery Replacement

Open the battery compartment clip (located on the bottom of the back cover) with your fingernail and install a CR2032 replacement lithium battery as shown in **Figure 7**. **Note:** Writing on battery must face back cover of INDOOR REMOTE or INDOOR REMOTE will not operate.
Note: If indoor remote is without battery power, for more than 3 hours, the remote's internal security code must be reset. To do this, install new batteries, press and hold any button on the remote for 5 seconds, repeat step 4 on page 6 to synchronize remote with messenger hub.



Step by step operating instructions for the LAMP RECEIVERS

A Quick Note before You Set Up the LAMP RECEIVERs:

⚠WARNING: For indoor use only. *If a LAMP RECEIVER is exposed to rain or moisture, immediately disconnect the LAMP RECEIVER from the AC outlet to reduce the risk of electric shock or fire and consult authorized service personnel.*

⚠WARNING: Use only incandescent bulbs (up to 300 watts total) in lamps that are to be controlled by Lamp Receivers. Do not use fluorescents, halogens or low voltage lighting systems. Using any other type bulbs could damage bulbs and/or Lamp Receivers. Attempting to control any other device by the Lamp Receivers, could damage that device and may damage the Lamp Receiver, which could result in serious personal injury and/or property damage.

⚠CAUTION: Touch activated lamps should not be used with Lamp Receivers. Damage to lamp may occur.

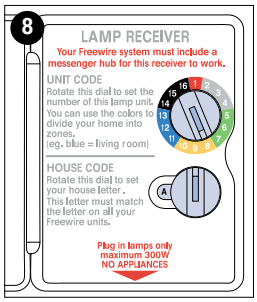
⚠CAUTION: Do not use the LAMP RECEIVER with a lamp that is connected to a timer or photo-sensor switch. Damage to timer or switch could occur.

Step 1:

Set the HOUSE CODE to the same letter that you selected on the MESSENGER HUB, then plug the LAMP RECEIVER into the AC outlet currently being used by the lamp you wish to control.

Step 2:

Select a UNIT CODE color to match the zone color that you laid out on the back of the INDOOR REMOTE. Now you will need to assign a specific UNIT CODE for the LAMP RECEIVER. Within the color that you have picked you have 3 number choices. In the example in **Figure 8** the LAMP RECEIVER is set to Yellow 8.

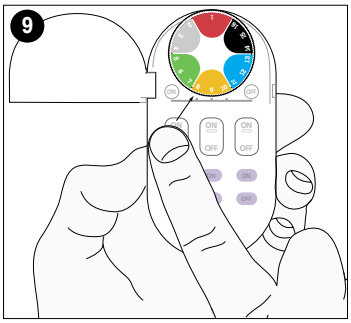

8
LAMP RECEIVER
Your Freewire system must include a messenger hub for this receiver to work.
UNIT CODE
Rotate this dial to set the number of this lamp unit.
You can use the colors to divide your home into zones.
(eg. blue = living room)
HOUSE CODE
Rotate this dial to set your house letter.
This letter must match the letter on all your Freewire units.
Plug in lamps only
maximum 300W
NO APPLIANCES

Step 3:

Turn lamp on first, then plug into the receptacle on the underside of the LAMP RECEIVER.

Step 4:

Turn color dial on INDOOR REMOTE so that it matches the color setting on the LAMP RECEIVER. To turn the lamp on and off, press the switch which corresponds with the number selected on the LAMP RECEIVER. **Figure 9** depicts activating LAMP RECEIVER set to Yellow 8.



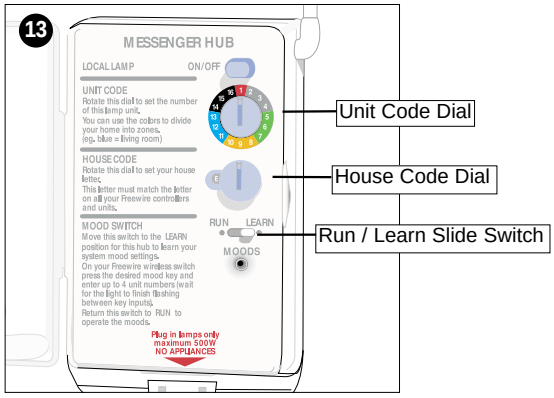
NOTE: Lamps connected to LAMP RECEIVERS can still be controlled by the lamps switch. Remember that lamp switch must be turned on in order for the lamp to be controlled by the Freewire system.

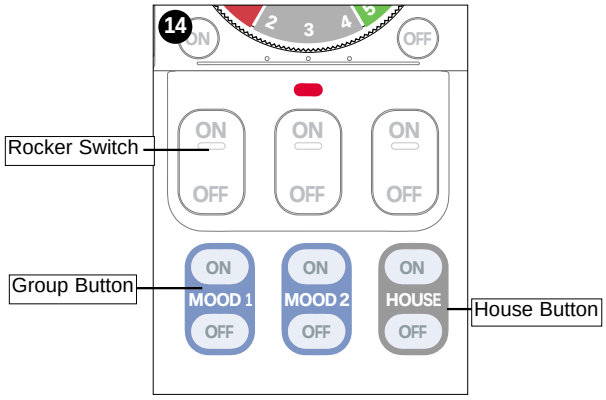
Step by step instruction to developing GROUP SETTINGS

A Quick Note before You Program the Mood Settings:

In the Lamp Receiver section you learned how to set up individual LAMP RECEIVERs. These LAMP RECEIVERs are turned on and off by pressing the appropriate rocker switch that corresponds to the receivers unique UNIT CODE. The purpose of the GROUP buttons (blue) are to link multiple receivers (up to 4) so that they can be turned on or off by the GROUP button. See ***Figure 16.***

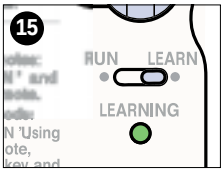
Example: If you have a LAMP RECEIVER in one room and it is set to the number 7 on its UNIT CODE and you have another LAMP RECEIVER in another room and it is set up to the number 13 on its UNIT CODE, the two lamps can be turned on at the same time using a GROUP.





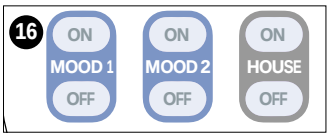
Step1:

With the MESSENGER HUB still plugged into an AC outlet, set the slide switch to LEARN as shown in **Figure 15**.



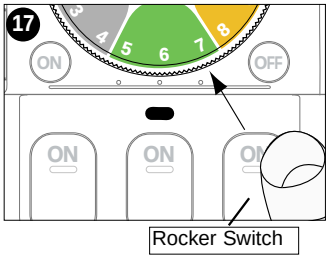
Step 2:

While facing the MESSENGER HUB, press GROUP 1 ON switch on the INDOOR REMOTE. **Figure 16** - The MESSENGER HUB's green indicator light will flash.



Step 3:

Set the UNIT CODE dial of the INDOOR REMOTE to match the UNIT CODE of the LAMP RECEIVER that you want to turn on and off. Press on the rocker switch (white) corresponding to that LAMP RECEIVER as shown in **Figure 17**. Wait for the MESSENGER HUB indicator to flash indicating the code has been stored in the GROUP function.

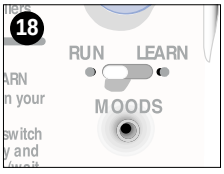


Step 4:

Repeat step 3 a maximum of 3 more times to link up to 4 LAMP RECEIVERs / BULB RECEIVERs with that GROUP key. The 4 LAMP RECEIVERs can be in any combination of UNIT CODES.

Step 5:

Return the slide switch on the MESSENGER HUB to **RUN** - **Figure 18**. The ON/OFF button of GROUP 1 will now turn on and off all of the LAMP RECEIVERs / BULB RECEIVERs that were linked in Step 4. There may be up to a 3 second delay between the time that you press the button and the time that the lights respond.



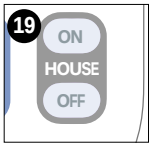
Step 6:

To set up GROUP 2 key, repeat steps 1 thru 5 substituting GROUP 2 key for GROUP 1.

NOTE: Pressing either GROUP ON key while in LEARN mode clears all stored codes for that GROUP.

Using ALL on, ALL off House Button

Pressing the INDOOR REMOTE HOUSE BUTTON (**figure 19**) "on" will activate the MESSENGER HUB, LAMP RECEIVERs and BULB RECEIVERs set to the system's HOUSE CODE. OUTDOOR LAMP RECEIVERs and APPLIANCE RECEIVERs will not respond to the all "on" command. Pressing the INDOOR REMOTE HOUSE BUTTON "off" will deactivate the above receivers as well as all OUTDOOR LAMP RECEIVERs and APPLIANCE RECEIVERs.



Step by step operating instructions for the OUTDOOR LAMP RECEIVER

A Quick Note before You Set Up the OUTDOOR LAMP RECEIVER:

The OUTDOOR LAMP RECEIVER can be used indoors and outdoors.

⚠***WARNING: When used outdoors, only use with outlets equipped with ground fault protection.***

⚠***WARNING: Do not submerge. Keep connections dry.*** *Failure to do this could result in electric shock.*

⚠***WARNING: Read and understand warnings on your extension cord.*** *Failure to do this could result in electric shock.*

⚠***WARNING: To prevent shock hazard, always assume the power is present even if the red indicator light is not lit.*** *Failure to do this could result in electric shock.*

⚠***WARNING: Do not abuse extension cord. Do not yank extension cord to disconnect it from receptacle. Keep cord from heat, oil and sharp edges. Periodically inspect extension cords and replace if damaged.*** *Failure to do this could result in electric shock.*

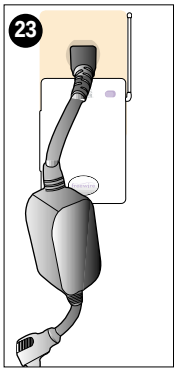
Unlike LAMP and APPLIANCE RECEIVERS the OUTDOOR LAMP RECEIVER does not have any code wheels. You set its code up from the MESSENGER HUB and it then remembers this code, even after a power outage. For ease of programming, initially place the OUTDOOR LAMP RECEIVER in the same wall outlet that the MESSENGER HUB is plugged into. After programming you can move it to its final location.

Step 1:

Set the unit code on the INDOOR REMOTE to the color and number that you want to use to control the OUTDOOR LAMP RECEIVER in its final location. (Example : Blue 11)

Step 2:

Plug the OUTDOOR LAMP RECEIVER into the **same wall outlet** as the MESSENGER HUB or you can move the MESSENGER HUB and plug into the **same wall outlet** as the OUTDOOR LAMP RECEIVER. (The Messenger Hub will not lose its memory and it can be moved back later.) See **Figure 23**. The red indicator light on the OUTDOOR LAMP RECEIVER should now be on.



Within 30 seconds of plugging OUTDOOR LAMP RECEIVER in, press and hold for 5 seconds the on button on the INDOOR REMOTE that corresponds to the UNIT CODE that you have selected. After a few seconds, the red indicator light on the OUTDOOR LAMP RECEIVER will flash indicating that the code has been learned. If the switch in the OUTDOOR LAMP RECEIVER is on, the red indicator light will remain lit. If the OUTDOOR LAMP RECEIVER switch is off, the red indicator light will not be lit.

NOTE: If the red indicator light does not turn on in 5 seconds, **unplug** the OUTDOOR LAMP RECEIVER, re-plug and repeat step 2. If indicator light still does not turn on, move the MESSENGER HUB and OUTDOOR LAMP RECEIVER to a different outlet in a different room and repeat step 2.

Step 3:

You may now move the OUTDOOR LAMP RECEIVER to its final location.

⚠***CAUTION: For outdoor use with extension cords:*** Plug OUTDOOR LAMP RECEIVER directly into wall outlet, then plug “outdoor rated” extension cord into OUTDOOR LAMP RECEIVER to reduce the risk of electric shock.

OUTDOOR LAMP RECEIVER NOTES:

1.) OUTDOOR LAMP RECEIVER can be used with incandescents, fluorescents, halogens and low voltage lights rated up to 500 watts.

2.) If outlet is controlled by a wall switch, you must leave wall switch on at all times otherwise the OUTDOOR LAMP RECEIVER will not have AC power and you won’t be able to control it remotely.

3.) To change the unit code, that the OUTDOOR LAMP RECEIVER responds to, unplug OUTDOOR LAMP RECEIVER and repeat steps 1 through 3.

4.) Unplug OUTDOOR LAMP RECEIVER when not in use.

5.) ***Operating Temperatures -4°F to 122°F.***
Storage Temperatures -40°F to 158° F.

HomeLink
Wireless Control System

PROGRAMMING AND INFORMATION GUIDE

The HomeLink Wireless Control System is a factory installed feature packaged on many vehicle models. HomeLink is typically located in either the sun visor, overhead console or rearview mirror. HomeLink provides a convenient way to replace up to three hand-held radio-frequency (RF) transmitters used to activate devices such as gate operators, garage door openers, entry door locks, security systems, and home lighting. Additional HomeLink information can be found on the Internet at **www.homelink.com** or by calling **1-800-355-3515**.

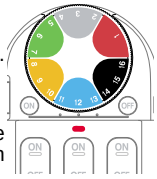
NOTE: Black and Decker Freewire products are compatible with select 2001 and newer HomeLink equipped vehicles. Please contact HomeLink Customer Service at 1-800-355-3515 to check compatibility.

NOTE: Some vehicles may require the ignition switch to be turned "on" or to the second ("accessories") position for programming and/or operation of HomeLink.

If you already have HomeLink programmed to operate devices such as garage doors or gates, please skip to STEP 2. If you have not programmed HomeLink to operate these devices, please start with STEP 1.

1. Press and hold the two outer HomeLink buttons in the vehicle (buttons one and three) - releasing only when the HomeLink indicator light begins to flash (after 20 seconds). **Do not** hold the buttons for longer than 30 seconds and **do not repeat STEP 1** to program a second and/or third hand-held transmitter or Freewire Indoor Remote function to the remaining two HomeLink buttons.

2. Turn the dial on your Freewire INDOOR REMOTE to the **ZONE** and **UNIT CODE** that you would like to program into HomeLink. The example depicts that the INDOOR REMOTE is set to Blue 12.



NOTE: You will have to program a separate HomeLink button for each ON and/or OFF function of your Freewire indoor remote or key chain. For example the second Homelink button can be programmed to turn Blue 12 "On" and the third Homelink button can be programmed to turn Blue 12 "Off".

3. Position the end of your Freewire indoor remote 1-3 inches (5-14 cm) away from the HomeLink button you wish to program while keeping the indicator light in view.

4. Simultaneously press and hold both the chosen HomeLink button and Freewire indoor remote button (ON or OFF). **Do not release the buttons until step 5 has been completed.**

   NOTE: It is recommended that you use your Freewire indoor remote to program HomeLink. If you are programming HomeLink with your Freewire key chain remote, you will need to "cycle" the key chain remote button while programming HomeLink. To "cycle": continue to press and hold the HomeLink button while you **press and release** - every **two seconds** ("cycle") the key chain remote ON button until the frequency signal has successfully been accepted by HomeLink. (The indicator light will flash slowly and then rapidly.)

5. After the HomeLink indicator light changes from a slow to a rapidly blinking light, release both the HomeLink and Freewire indoor remote or key chain button.

6. HomeLink is now programmed to operate your Freewire system. To operate HomeLink, simply press and release the programmed HomeLink button to activate your Freewire system. You can also continue to use your INDOOR REMOTE to control Freewire.

REPROGRAMMING A SINGLE HOMELINK BUTTON

To program a device to HomeLink using a HomeLink button previously trained, follow these steps:

1. Press and hold the desired HomeLink button. Do NOT release until step 4 has been completed.

2. When the HomeLink indicator light begins to flash slowly (after 20 seconds), position the hand-held-transmitter or remote 1 to 3 inches away from the HomeLink surface.

3. Press and hold the hand-held transmitter or remote button. The HomeLink indicator light will flash, first slowly and then rapidly.

4. When the HomeLink indicator light begins to flash rapidly, release both buttons.

The previous device has now been erased and the new device can be activated by pushing the HomeLink button that has just been programmed. This procedure will not affect any other programmed HomeLink buttons.

For questions or comments, contact HomeLink at:www.homelink.com or **1-800-355-3515**.

HomeLink and the HomeLink house are registered trademarks of Johnson Controls, Inc.

HOMELINK FAQS

Why does HomeLink only turn on (or off) the device I have programmed it to?

"ON" and "OFF" are two different functions and have to be programmed to HomeLink separately. For example, you would program one HomeLink button for "ON" and a second HomeLink button for "OFF".

How can I get HomeLink?

HomeLink is packaged as a standard feature, bundled within a specific trim level package or as an option on over 150 different vehicles. For a list of these vehicles, visit www.homelink.com or call HomeLink Customer Service at 1-800-355-3515. HomeLink can also be purchased and professionally installed in existing cars. Please visit www.homelink.com or call 1-800-355-3515 for further information.

Why can't I train HomeLink to my Freewire remote?

Freewire remotes are compatible with select 2001and newer HomeLink equipped vehicles. Please visit www.homelink.com or contact HomeLink Customer Service at 1-800-355-3515 for compatibility.

TROUBLESHOOTING

DIFFICULTY PROGRAMMING RECEIVERS

If you are experiencing problems when programming the BULB RECEIVER or OUTDOOR LAMP RECEIVER, it may be due to electrical interference on the power lines caused by large appliances such as refrigerators or TV's. To avoid the interference, move the RECEIVER and the MESSENGER HUB while it is being programmed to a different wall outlet that is further away from large appliances.

SOME RECEIVERS DON'T RESPOND

Most houses are fed from a 240 volt service which is then split into two phases of 120 volts each in the circuit breaker panel. The most commonly encountered problem with systems which use the existing house wiring to transmit signals is that the signals are received by some Receivers, but not by others. For example, the MESSENGER HUB controls some lights but not others or controls some lights intermittently. This can happen sometimes when the Receiver to be controlled is on the opposite phase of the house wiring to the phase which the MESSENGER HUB is connected to.

If some of the Receivers are not working it may be necessary to:

- move the Receiver to a different wall outlet to test that it works.If it still doesn't work:
- move the Receiver to a different room. If it still doesn't work:
- move the Receiver to the closest outlet that the MESSENGER HUB is plugged into or move the MESSENGER HUB to the closest outlet to the Receiver that is not working.

RECEIVERS TURN ON BY THEMSELVES

If it is suspected that Receivers have turned on or off by themselves, it is possible that a neighbor has a FREEWIRE or compatible system, which could result in unexpected operation of both systems. Unplug all FREEWIRE devices immediately until (1) the interference is identified and eliminated through selection of a different HOUSE CODE to ensure that neither system causes unintended operation of the other system or (2) a blocking filter, Black and Decker Model number PZZ01, is installed. Call 1-888-678-7278 to order. Professional installation recommended. If you cannot identify the source of interference by talking with neighbors who are using a FREEWIRE or compatible system and you do not want to install a blocking filter, or if you have any questions about identifying or eliminating interference, please call 1-800-544-6986 before plugging in or using any FREEWIRE device.

THREE WAY BULBS

Three way bulbs may be used, however, only one level of brightness can be activated using the Freewire system. To change brightness level you will need to turn the switch at the lamp to the desired level of brightness. **NOTE:** When using the BULB RECEIVER, you cannot control the lamp by the lamp's switch. Turning the lamp switch off and then sending a Freewire signal within 30 seconds of power being applied to the lamp, will cause the BULB RECEIVER to go into program mode and will need to be reprogrammed. See BULB RECEIVER section / manual.

INTERCOM AND MONITORING SYSTEMS

Intercom and monitoring systems, including baby monitors, that use the house wiring to transmit signals can "block out" FREEWIRE transmissions while the intercom or monitoring system is in "permanent transmit" or "talk" mode. It is NOT possible to have a wireless intercom or monitoring system and a MESSENGER HUB operating in the same house. It is possible that a neighbor's wireless intercom or monitoring system could cause unexpected operation, including failure to operate, of your FREEWIRE system, or that your FREEWIRE SYSTEM could cause unexpected operation, including failure to operate, of your neighbors intercom or monitoring system.

KEY CHAIN REMOTE RANGE OF USE

Placing the MESSENGER HUB on the inside wall closest to driveway or entry way, will often maximize range of KEY CHAIN REMOTE.

MAINTENANCE

Use only mild soap and damp cloth to clean the product. Never let any liquid get inside the product; never immerse any part of the product into a liquid. Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to various types of commercial solvents and may be damaged by their use.

ACCESSORIES

Recommended accessories for use with your product are available from your local dealer or authorized service center. If you need assistance regarding accessories, please call: 1-800-544-6986.

⚠**WARNING:** The use of any accessory not recommended for use with this product could be hazardous.

SERVICE INFORMATION

Black & Decker offers a full network of company-owned and authorized service locations throughout North America. All Black & Decker Service Centers are staffed with trained personnel to provide customers with efficient and reliable power tool service. Whether you need technical advice, repair, or genuine factory replacement parts, contact the Black & Decker location nearest you. To find your local service location, refer to the yellow page directory under "Tools—Electric" or call: 1-800-544-6986.

FULL TWO-YEAR HOME USE WARRANTY

Black & Decker (U.S.) Inc. warrants this product for two years against any defects in material or workmanship. The defective product will be replaced or repaired at no charge in either of two ways.

The first, which will result in exchanges only, is to return the product to the retailer from whom it was purchased (provided that the store is a participating retailer). Returns should be made within the time period of the retailer's policy for exchanges (usually 30 to 90 days after the sale). Proof of purchase may be required. Please check with the retailer for their specific return policy regarding returns that are beyond the time set for exchanges.

The second option is to take or send the product (prepaid) to a Black & Decker owned or authorized Service Center for repair or replacement at our option. Proof of purchase may be required. Black & Decker owned and authorized Service Centers are listed under "Tools-Electric" in the yellow pages of the phone directory.

This warranty does not apply to accessories. This warranty gives you specific legal rights and you may have other rights which vary from province to province. Should you have any questions, contact the manager of your nearest Black & Decker Service Center.

Black & Decker (U.S.) Inc.,
701 E. Joppa Rd.
Towson, MD 21286 U.S.A.

www.blackanddecker.com
1-800-544-6986

See 'Tools-Electric' – Yellow Pages – for Service & Sales